

CLAIMS

1. A joint for a panel, the joint comprising a first edge (1) and a second edge (1^l) whereby the first edge (1) comprises a groove (11) and the second edge (1^l) is provided with a tongue (21) wherein the second edge (1^l) further comprises an upper side groove (12), that a joining profile (3) is provided with a tongue (31) and an intermediate section (33), the joining profile (3) being so configured so as to allowing it to be located in the upper portion of the joint between two, joined, adjacent panels.
2. A joint for a panel according to claim 1, the joint comprising a first edge (1) and a second edge (1^l) whereby the first edge (1) comprises a groove (11) and the second edge (1^l) is provided with a tongue (21) wherein the first edge further comprises an upper side groove (12) and the second edge (1^l) comprises a upper side groove (12), that a joining profile (3) is provided with a first and second snapping tongue (31) and an intermediate section (33), the joining profile (3) being so configured so as to allowing the first and second snapping tongue (31) to be fitted into upper side grooves (12) of two, joined, adjacent panels.
3. A joint according to claim 2 wherein the joint further comprises mating surfaces (13 and 23 respectively), that the joining profile (3) and the upper side grooves (12) are so configured that a play is created in the joint between the mating surfaces (13 and 23 respectively).
4. A joint according to claim 3 wherein the play is in the range 0.05 - 1 mm.
5. A joint according to claim 1 wherein the tongue (21) and the groove (11) are configured to limit the movement in a vertical direction between two adjacent panels.
6. A joint according to claim 2 wherein the joining profile (3) and the upper side grooves (12) are configured to limit the movement in horizontal direction between two adjacent panels.

7. A joint according to claim 2 wherein a portion (P) arranged between the upper side groove (12) and its respective distal edge portion (E) comprises a recess (14).
8. A joint according to claim 7 wherein the recess (14) further comprises one or more supporting protrusions (15), the supporting protrusions (15) supporting a lower side of the intermediate section of the joining profile (3).
9. A joint according to claim 2 wherein the upper side groove (12) is provided with a first groove edge surface (16) having an angle α of $1 - 50^\circ$ towards a vertical plane.
10. A joint according to claim 2 wherein the first groove edge surface (16) will create a pressure on an outer edge (36) of the joining profile (3) when two adjacent panels are forced together, the pressure causing the intermediate section (33) to be urged downwards.
11. A joint according to claim 10 wherein a portion (P) arranged between the upper side groove (12) and its respective distal edge portion (E) comprises a recess (14), the recess (14) being adapted to receive the lower portion of the intermediate section (33) when being urged downwards.
12. A joint according to claim 2 wherein the upper side groove is provided with a first groove edge surface (16) and a second groove edge surface (17) between which first and second groove edge surfaces (16 and 17 respectively) a predetermined distance (D) is present, the distance (D) being so configured that the snapping tongue (31) may be pressed in between the first and second groove edge surfaces (16 and 17 respectively).
13. A joint according to claim 12 wherein the first and second groove edge surfaces (16 and 17 respectively) are arranged so that an undercut is present, that the snapping tongue (31) of the joining profile (3) is adapted to the undercut so that a snap action locking effect is achieved.

14. A joint according to claim 2 wherein the tongue (21) is provided with at least one protrusion (27) and that the groove (11) is provided with recesses (18) arranged to mate with the at least one protrusion (27), that the at least one protrusion (27) with matching recess (17) is configured to allow a predetermined movement in the horizontal plane.

15. A joint according to claim 14 wherein the predetermined movement is in the range 0.05 mm - 1 mm.

16. A joint according to claim 2 wherein the joining profile (3) is provided with at least one compression zone (34).